

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) A method of eliciting an immune response in a human individual comprising administering to the individual a composition comprising an amount of a complex in the range of 10 to 600 micrograms, said complex consisting essentially of a heat shock protein 70 noncovalently bound to an antigenic molecule.

2 - 61 (Canceled)

62. (Previously presented) A purified ADP-heat shock protein 90-peptide complex.

63. (Previously presented) The ADP-heat shock protein 90-peptide complex of Claim 62, wherein said heat shock protein 90 is selected from the group consisting of hsp90, gp96 and grp94.

64. (Previously presented) The ADP-heat shock protein 90-peptide complex of Claim 62, wherein said ADP-heat shock protein 90-peptide complex comprises a heat shock protein 90-peptide complex made *in vitro*.

65. (Previously presented) The ADP-heat shock protein 90-peptide complex of Claim 64, wherein said heat shock protein 90-peptide complex comprises a heat shock protein 90 and a peptide from the same individual.

66. (Previously presented) The ADP-heat shock protein 90-peptide complex of Claim 64, wherein said heat shock protein 90-peptide complex comprises a heat shock protein 90 from a first individual and a peptide from a second, different individual.

67. (Previously presented) The ADP-heat shock protein 90-peptide complex of Claim 64, wherein said heat shock protein 90-peptide complex comprises a heat shock protein 90 from a first organism and a peptide from a second, different organism.

68. (Previously presented) The ADP-heat shock protein 90-peptide complex of Claim 64, wherein said heat shock protein 90-peptide complex comprises a heat shock protein 90 from a first species and a peptide from a second, different species.

69. (Previously presented) The ADP-heat shock protein 90-peptide complex of claim 62, wherein said complex is in substantially purified form as indicated by apparent homogeneity upon electrophoresis in a polyacrylamide gel.

70. (Previously presented) A purified ADP-heat shock protein 90-protein complex.

71. (Previously presented) The ADP-heat shock protein 90-protein complex of Claim 70, wherein said heat shock protein 90 is selected from the group consisting of hsp90, gp96 and grp94.

72. (Previously presented) The ADP-heat shock protein 90-protein complex of Claim 70, wherein said ADP-heat shock protein 90-protein complex comprises a heat shock protein 90-protein complex made *in vitro*.

73. (Previously presented) The ADP-heat shock protein 90-protein complex of Claim 72, wherein said heat shock protein 90-protein complex comprises a heat shock protein 90 and a protein from the same individual.

74. (Previously presented) The ADP-heat shock protein 90-peptide complex of Claim 72, wherein said heat shock protein 90-protein complex comprises a heat shock protein 90 from a first individual and a protein from a second, different individual.

75. (Previously presented) The ADP-heat shock protein 90-protein complex of Claim 72, wherein said heat shock protein 90-protein complex comprises a heat shock protein 90 from a first organism and a protein from a second, different organism.

76. (Previously presented) The ADP-heat shock protein 90-peptide complex of Claim 72, wherein said heat shock protein 90-protein complex comprises a heat shock protein 90 from a first species and a protein from a second, different species.

77. (Previously presented) The ADP-heat shock protein 90-protein complex of claim 70, wherein said complex is in substantially purified form as indicated by apparent homogeneity upon electrophoresis in a polyacrylamide gel.

78. (New) A method for purifying heat shock protein complexes comprising the steps of:

adding a solution containing a heat shock protein complex comprising a heat shock protein associated with at least one member of the group consisting of peptides and proteins, to an ADP matrix column containing an ADP matrix to bind the heat shock protein complexes to the ADP matrix; and

adding a buffer containing ADP to the column to remove the heat shock protein complexes in an elution product.

79. (New) The method of claim 78, wherein the heat shock protein is a heat shock protein 90 family member.

80. (New) The method of claim 79, wherein the heat shock protein 90 family member is selected from the group consisting of hsp90, gp96 and grp94.

81. (New) The method of claim 78, wherein the heat shock protein is not an hsp70 family member.

82. (New) The method of claim 78, wherein the heat shock protein is not hsp70.

83. (New) A method of synthesizing heat shock protein 70 complexes, comprising contacting a heat shock protein with an antigenic molecule selected from the group consisting of peptides and proteins, and with a buffer containing ADP to allow the heat shock protein to bind to the antigenic molecule and to allow the heat shock protein to bind to the ADP to form a heat shock protein complex.

84. (New) The method of claim 83, wherein the heat shock protein is a heat shock protein 90 family member.

85. (New) The method of claim 84, wherein the heat shock protein 90 family member is selected from the group consisting of hsp90, gp96 and grp94.

86. (New) The method of claim 83, wherein the heat shock protein is not an hsp70 family member.

87. (New) The method of claim 83, wherein the heat shock protein is not hsp70.

88. (New) A purified ADP-heat shock protein-peptide complex.

89. (New) The purified ADP-heat shock protein-peptide complex of claim 88, wherein the heat shock protein is not an hsp70 family member.

90. (New) The purified ADP-heat shock protein-peptide complex of claim 88, wherein the heat shock protein is not hsp70.